

## Environmental Protection Agency

## § 98.163

calibration pursuant to § 98.154(p) and (q).

[74 FR 56374, Oct. 30, 2009, as amended at 75 FR 66463, Oct. 28, 2010]

### § 98.158 Definitions.

All terms used in this subpart have the same meaning given in the Clean Air Act and subpart A of this part.

TABLE O-1 TO SUBPART O OF PART 98—EMISSION FACTORS FOR EQUIPMENT LEAKS

Equipment type	Service	Emission factor (kg/hr/source)	
		≥10,000 ppmv	<10,000 ppmv
Valves .....	Gas .....	0.0782	0.000131
Valves .....	Light liquid .....	0.0892	0.000165
Pump seals .....	Light liquid .....	0.243	0.00187
Compressor seals .....	Gas .....	1.608	0.0894
Pressure relief valves .....	Gas .....	1.691	0.0447
Connectors .....	All .....	0.113	0.0000810
Open-ended lines .....	All .....	0.01195	0.00150

## Subpart P—Hydrogen Production

### § 98.160 Definition of the source category.

(a) A hydrogen production source category consists of facilities that produce hydrogen gas sold as a product to other entities.

(b) This source category comprises process units that produce hydrogen by reforming, gasification, oxidation, reaction, or other transformations of feedstocks.

(c) This source category includes merchant hydrogen production facilities located within another facility if they are not owned by, or under the direct control of, the other facility's owner and operator.

[74 FR 56374, Oct. 30, 2009, as amended at 75 FR 66463, Oct. 28, 2010]

### § 98.161 Reporting threshold.

You must report GHG emissions under this subpart if your facility contains a hydrogen production process and the facility meets the requirements of either § 98.2(a)(1) or (a)(2).

### § 98.162 GHGs to report.

You must report:

(a) CO<sub>2</sub> emissions from each hydrogen production process unit.

(b) [Reserved]

(c) CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O emissions from each stationary combustion unit other than hydrogen production process units. You must calculate and report

these emissions under subpart C of this part (General Stationary Fuel Combustion Sources) by following the requirements of subpart C.

(d) For CO<sub>2</sub> collected and transferred off site, you must follow the requirements of subpart PP of this part.

[74 FR 56374, Oct. 30, 2009, as amended at 75 FR 66463, Oct. 28, 2010]

### § 98.163 Calculating GHG emissions.

You must calculate and report the annual CO<sub>2</sub> emissions from each hydrogen production process unit using the procedures specified in either paragraph (a) or (b) of this section.

(a) *Continuous Emissions Monitoring Systems (CEMS)*. Calculate and report under this subpart the CO<sub>2</sub> emissions by operating and maintaining CEMS according to the Tier 4 Calculation Methodology specified in § 98.33(a)(4) and all associated requirements for Tier 4 in subpart C of this part (General Stationary Fuel Combustion Sources).

(b) *Fuel and feedstock material balance approach*. Calculate and report CO<sub>2</sub> emissions as the sum of the annual emissions associated with each fuel and feedstock used for hydrogen production by following paragraphs (b)(1) through (b)(3) of this section.

(1) *Gaseous fuel and feedstock*. You must calculate the annual CO<sub>2</sub> emissions from each gaseous fuel and feedstock according to Equation P-1 of this section: